

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** June 1, 2005

**Inspector:** Don Ukers

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** The areas received several smaller rain events totaling 0.32"-0.49" between 5/27 and 5/29 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>- Erosion at the base of the silt fence near the inlet near the Route 7 ramp has uncovered the base of the evergreen planting here. 5/13-6/01/05</li> <li>- Although vegetative cover has increased, some minor repair of erosion within the earthen swale may be necessary. 5/4-6/01/05</li> <li>- Grass growth continues to increase at the DOT disturbance area on the riverbank. It will continue to be monitored. 5/4-6/01/05</li> </ul>	<ul style="list-style-type: none"> <li>-The volume of water going to this inlet is causing erosion at the base of the silt fence. Soil should be placed here to cover up the exposed root ball of the planting. The area should be repaired/regraded. 5/26-6/01/05</li> <li>- Grass growth continues to increase here and will help to stabilize the area but it will potentially require additional stabilization. 6/01/05</li> <li>- DOT's work is not associated with the project but is mentioned as a potential source of off-site sediment. It will be monitored for stabilization. 6/01/05</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Soil from the stockpile was being used in front of the GIS building for backfill. 6/01/05</li> <li>-Work on the structures and excavation near retaining wall #3 and the control house is ongoing, including rebar installation. 6/01/05</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 6/01/05</li> <li>- The excavation and work is well within the yard and areas are contained, no issues at this time. 6/01/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-The overflow channel continues to work well with some minor erosion along the slope and grass growth is noticeable along the sides. The plantings within the channel are also showing good growth 4/27-6/01/05.	- Continue to monitor for overall stabilization. Vegetative growth appears to be off to a good start and the situation should be evaluated later in the growing season. The minor erosion may require repair if it worsens. 6/01/05
	- The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources. It is apparent that much of the sediment is roadway sand and much of the runoff is from the street based on presence of gullies. - Vegetative growth is increasing here and will help with stabilization but the root ball of one of the evergreen plantings remains exposed due to the erosion. 5/13-6/01/05	- Continue to monitor until stabilized as the vegetative cover is not yet uniform. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. 6/01/05 - The area around the exposed root ball should be filled in with soil to protect the planting. The eroded area around the silt fence should be regraded/repared. 5/13-6/01/05
	- The soil stockpiles remaining on site are being used as backfill adjacent to the GIS building and the topsoil is also available for future use. 6/01/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 6/01/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Many of the tree plantings are leafing out and appear to be doing well. Grass is growing in along the sides of the channel and herbaceous plantings in the channel are showing growth 04/27-6/01/05	- A survey could be performed to see whether any of the plantings did not survive the winter for replacement purposes but this does not seem to be a problem. 6/01/04

Areas of Inspection	Observation	Recommended Action
Dewatering	- No dewatering was noted at this time. 6/01/05	-None at this time. 6/01/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> <li>- The crane has been located in a stationary position for several weeks and has several absorbent pads placed underneath in case it drips. 6/01/05</li> <li>- A stationary dump truck and small trailer unit also had a small drip. The dump truck already had pads placed and the small spot under the trailer unit will be picked up. 6/01/05</li> <li>- A few spots were noted in the gravel and the stone will be picked up. 6/01/05</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</li> <li>- Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations		

**Next likely scheduled inspection:**

Thursday, June 9, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers

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**Date:** June 1, 2005

**Inspector:** Don Ukers

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event** The areas received several smaller rain events totaling 0.32"-0.49" between 5/27 and 5/29 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 6/01/05	- None at this time.
Foundation construction	-Some work to connect the equipment on the constructed slab to the existing equipment is on-going. 3/23-6/01/05 - The trenches have remained open and underground cable pulls are still being completed. Active pulls were ongoing near the control house. No soil movement is involved due to the concrete lids. 5/18-6/01/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-6/01/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are fairly dry and the perimeter stone berm continues to work well. 5/26/05	-Nothing at this time. 5/26/05
	- There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 6/01/05	-All stockpiles are well-contained and the berm is working effectively at this time. 6/01/05

Areas of Inspection	Observation	Recommended Action
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2-6/01/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-6/01/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 6/01/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 6/01/05
State species of concern, threatened and endangered species	- The wood turtle has not been observed in the last week. 6/01/05	- Everyone at the substation has been told to move machinery carefully and to be more aware. If any signs of digging are observed, the area should be investigated for a nest. - A visual check of the work area will be performed each morning by the contractors
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Minor dewatering continues at this time from the manhole where the cable pull is occurring. As usual, water is directed to the stone yard. 5/26-6/01/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- A small drip was noted under a McPhee equipment truck and a pad was going to be placed underneath. 6/01/05	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained

Areas of Inspection	Observation	Recommended Action
		well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.  - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

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I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers



Norwalk Substation- Structure work continues in front of the GIS building. 6/1/05



Overall view of the overflow channel along the Norwalk River. 6/1/05





The work pictured is actually part of the 115 kV approach to the substation. The right of way from Broad Street was cleared and silt fence is in place. 6/1/05



Plumtree Substation- The stone berm located around the site perimeter is still well in place. 6/1/05





A majority of the work on the equipment on the pad is completed. 6/1/05